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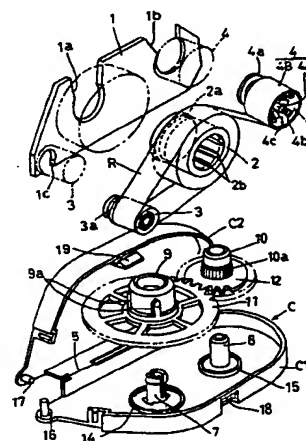
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(54) Film transfer apparatus and a film transfer roller used therein

(57) A film transfer apparatus includes an apparatus casing (c) having a feed-core support shaft (9) for detachably mounting a feed core (2) and a take-up core support shaft (10) for detachably mounting a take-up core (4). The support shafts respectively include a transmission member (11,12) for causing the take-up core (4) to provide a film ribbon take-up speed higher than a ribbon feed speed of the feed core (2). For slipably coupling the feed core rotation and the take-up core rotation, a slip coupling mechanism (13,29) is provided. This mechanism is constituted by an engaged portion (46) of the take-up core for engagement with a mating engaging portion (10a) of the take-up core support shaft. The engaged portion is elastically deformable to a non-transmission condition with application thereto of a force exceeding a predetermined level. Further, the engaged portion is provided with a mechanical strength smaller than the engaging portion.

FIG. 1



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## EUROPEAN SEARCH REPORT

Application Number  
EP 95 10 6306

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	DE-A-42 17 295 (TIPP-EX)	1,3,4, 12-14	B65H37/00 B65H35/00
Y	* column 2, line 51 - column 7, line 60; figures *	2,5-11	
Y	---		
Y	EP-A-0 380 977 (HENKEL)	2,5-11	
A	* column 4, line 48 - column 7, line 57; figures *	1,3,4, 12-14	
A	---		
A	EP-A-0 380 978 (HENKEL)	1-14	
	* column 3, line 38 - column 6, line 1; figures *		
A	---		
A	EP-A-0 551 522 (SEED RUBBER)	1	
	* column 5, line 11 - column 6, line 22; figures 3-5 *		
A	---		
A	DE-A-39 11 402 (JOSEF WISCHERATH)	1,2	
	* column 6, line 2 - column 10, line 17; figures *		
A	---		
A	EP-A-0 427 870 (FUJIKAGAKUSHI KOGYO)	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6) B65H
	* column 13, line 2 - line 18 *		
	* column 13, line 40 - column 14, line 44; figures 3-7,22,25,28 *		
A,P	---		
	EP-A-0 619 189 (FUJICOPIAN)	1	
	* figures 1-3 *		
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-The present search report has been drawn up for all claims-			
Place of search BERLIN		Date of completion of the search 30 August 1996	Examiner Fuchs, H
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

### ☒ LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-14:  
A film transfer apparatus.
2. Claims 15-18:  
A film transfer roller.
3. Claims 19,20:  
Combination of a film transfer apparatus and film transfer roller.

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respects of which search fees have been paid, namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,

namely claims: 1-14

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